

**FORM PTO-1449****LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S  
INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

**ATTY. DOCKET NO.**

01561.0002.CPUS01

**SERIAL NO.**

09/767,460

**APPLICANT:**

Arnold J. Mandell, et al.

**FILING DATE:**

1/23/01

**GROUP:**

1631

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
			None			

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**FOREIGN PATENT DOCUMENTS**

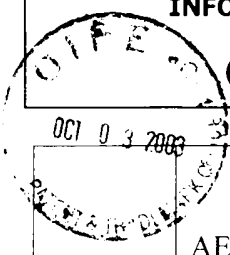
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
			None			

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

AA	Mandell, A.J. (1984) Non-equilibrium behavior of some brain enzyme and receptor systems. Ann. Rev. Pharm. Toxicol. 24:237-274
AB	Mandell, A.J., Russo, P.V. and Blomgren, B.W. (1987) Complex hydrophobic sequence transformation predicts mutual recognition by polypeptides and proteins. Ann. N.Y. Acad. Sci. 504:88-118.
AC	Mandell, A.J., Selz, K.A. and Shlesinger, M.F. (1997) Mode matches and their locations in the hydrophobic free energy sequences of peptide ligands and their receptor eigenfunctions. Proc. Natl. Acad. Sci. 94:13576-13581.
AD	Mandell, A.J., Selz, K.A. and Shlesinger, M.F. (1997) Wavelet transformation of protein hydrophobicity sequences suggests their memberships in structural families. Physica A224: 254-262.

EXAMINER: initial if reference is considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant

<b>FORM PTO-1449</b>		<b>ATTY. DOCKET NO.</b> 01561.0002.CPUS01	<b>SERIAL NO.</b> 09/767,460
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AE	Mandell, A.J., Selz, K.A. and Shlesinger, M.F. (1997) Hydrophobic free energy eigenfunctions help define continuous wavelet transformations of amino acid sequences of protein families. Proc. Intl. (Fermi) Sch. Phys. CXXXIV, 175-192.
AF	Di Marzo, E.A. and Mandell, A.J. (1997) Phase transition behavior of a linear macromolecule threading a membrane. J. Chem. Physics 197:5510-5514.
AG	Mandell, A.J., Owens, M.J. Selz, K.A., Morgan, W.N., Schlesinger, M.F. and Nemeroff, C.G. (1998) Mode matches in hydrophobic free energy eigenfunctions predict protein-protein interactions. Biopolymers 46:89-101.
AH	Selz, K.A., Mandell, A.J., and Shlesinger, M.F. (1998) Hydrophobic free energy eigenfunctions of pore, channel and transporter proteins contain B-burst patterns. Biophysical J. 7:2332-2342.
AI	Mandell, A.J., Selz, K.A. and Shlesinger, M.F. (1998) Transformational homologies in amino acid sequences suggest membership in protein families. J. Stat. Phys. 93:673-697.
AJ	Mandell, A.J., Selz, K.A., Shlesinger, M.F., and Kuhar, M.J. (1999) Linear and entropic transformations of the hydrophobic free energy sequence help characterize a novel brain polypeptide: CART. In (M.T. Batchelor and L. Wille, eds.), <u>Statistical Physics on the Eve of the Twenty-First Century</u> . World Scientific, NJ, pp. 131-152.
AK	Manavalan, P. and Ponnuswamy, P.K. (1978) Statistical distribution of hydrophobic residues along the length of protein chains, Biophys. J., Volume 57 pp. 911-921.
AL	White, Stephen H. and Jacobs, Russell E. (1994) Global Statistics of Protein Sequences: Implications for the Origin, Evolution, and Prediction of Structure. Annu. Rev. Biophys. Biomol. Struct. 23:407-430.
AM	Doyle, P.M. (1995) Combinatorial Chemistry in the Discovery and Development of Drugs. J. Chem. Tech. Biotechnol. 64:317-324.
AN	Gordon, E.M., Barrett, R.W., Dower, W.J., Fodor, S.P.A. and Gallop, M.A. (1994) Applications of Combinatorial Technologies to Drug Discovery. 2. Combinatorial Organic Synthesis, Library Screening Strategies, and Future Directions. J. Med. Chem. 37(10):1385-1401.
AO	Houghton, R.A. (1993) The Broad Utility of Soluble Peptide Libraries for Drug Discovery. Gene 137:7-11.

SD-84546.1

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AP

Mandell, Arnold J., Selz, Karen A., and Shlesinger, Michael F. Predicting Peptide-Receptor, Peptide-Protein, and Chaperone-Protein Binding using patterns in amino acid hydrophobic free energy sequences, The Journal of Physical Chemistry B, Vol 104, No. 16, pgs 3953-3959

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